

### IN THE SPECIFICATION

Please amend the specification as follows:

The Table 6 on page 21 is amended as follows:

**Table 6 Calculating Communication Strengths**

Step Function	Maximum (= 10)	Average (= 5)	Low = (1)
Timing	if Time > <del>minimum</del> <u>maximum</u>	if Time = average	if Time < <del>maximum</del> <u>minimum</u>
Frequency	if frequency > maximum rate of small messages on bus	if frequency = average rate of small messages on bus	if frequency <= minimum rate of small messages on bus
Bandwidth	if data size > maximum bus capacity	if data size = average bus capacity	if data size <= minimum bus capacity

The Table beginning at page 42, line 26 – page 43, lines 2 is amended as follows:

**Table 12 Initial Platform Loads**

Platform (Component)	Processor Capacity	Processor Utilization	Memory Capacity	Memory Utilization
P1 (C4)	15 mips	68%	300 mb	84%
P2 (C3 & C5)	60 mips	93%	200 mb	88%
P3 (C1)	70 mips	89%	1 gb	90%
P4 (C2)	50 mips	90%	<del>1 gb</del> 1 gb	80%

The paragraph beginning at page 37, line <sup>19</sup>~~20~~ is amended as follows:

FIG. 4 shows an exemplary system that comprises four computers, with a functional partitioning and allocation into four components:

1. Sonar software (processing data from the Fore sensors), Tasks F<sub>1</sub>-F<sub>4</sub> in FIG. 4,
2. Sonar software (processing data from the Aft sensors), Tasks A<sub>1</sub>-A<sub>4</sub> in FIG. 4,
3. Bearing Tracker software, Tasks B<sub>1</sub>-B<sub>3</sub> in FIG 4, and
4. Display software, ~~Tasks D<sub>1</sub>-D<sub>4</sub> in FIG. 4~~ Tasks D<sub>1</sub>-D<sub>3</sub> in FIG. 4.